

Solving Division Problems (page 1 of 2)

Solve each of the following problems. Be sure to answer the question posed by the story context.

1. There are 406 students in Grades 3, 4, and 5. There are 14 classrooms, and each classroom has the same number of students. How many students are in each classroom?
2. Melissa has 880 baseball cards that she wants to store in envelopes. If each envelope holds 35 cards, how many envelopes does she need?
3. Joel collects stamps and has 1,200 international stamps that he wants to put in an album. Each page holds 45 stamps. How many pages will he use?

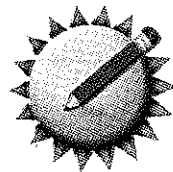
Solving Division Problems (page 2 of 2)

Write a word problem for each division problem.
Your word problem should end in a question. Solve
the problem and answer the question.

4. $807 \div 7 =$ _____

5. $945 \div 21 =$ _____

6. $620 \div 42 =$ _____



Story Problems: Selling Fruit

NOTE Students practice solving addition and subtraction problems in a story problem context.

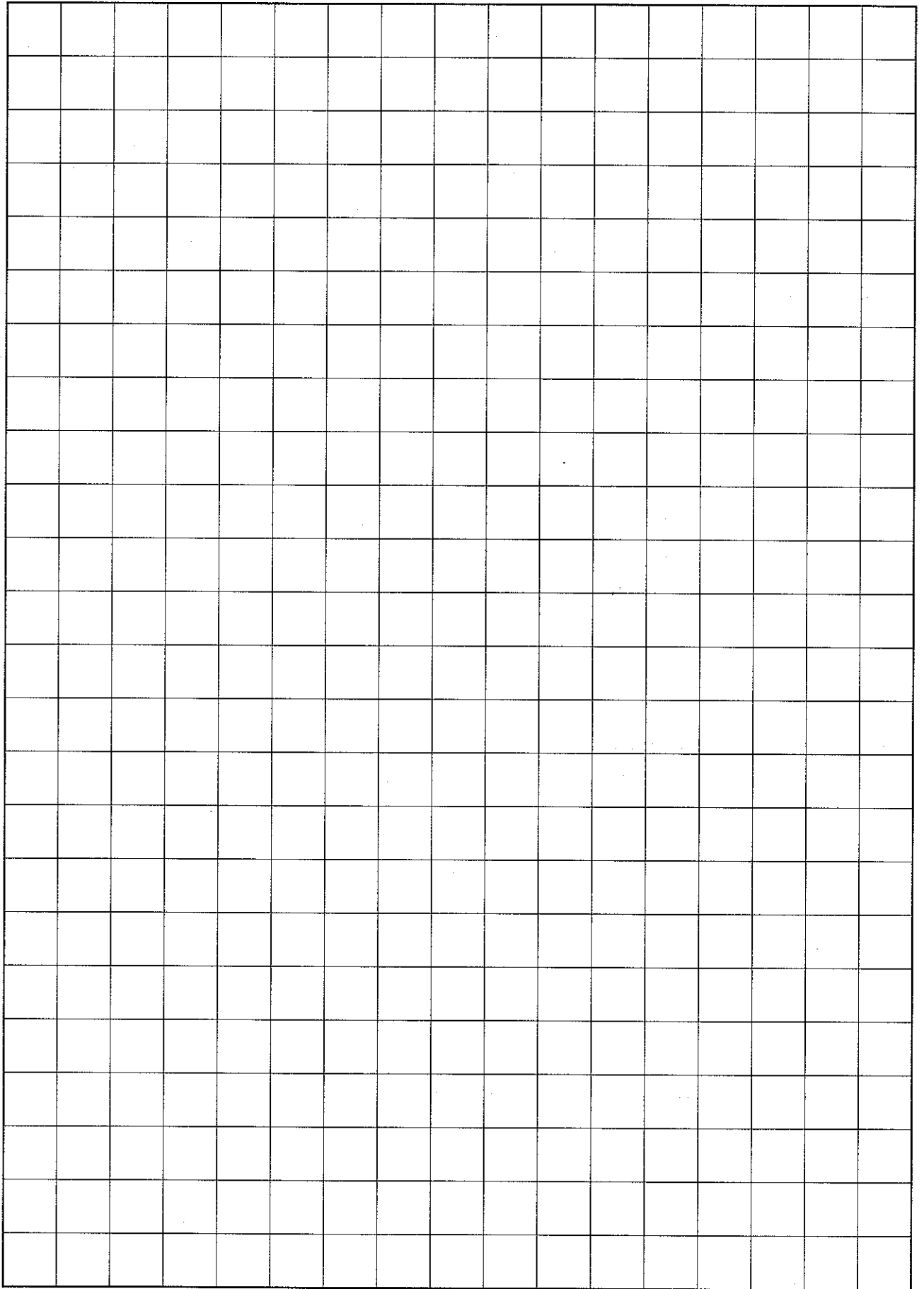
SMH 8-9, 10-13

1. On Monday, a grocery store received a shipment of 1,000 apples. The apples were quite tasty, and the store sold 346 of them that day. How many apples were left to sell?

2. On Wednesday, the store received a shipment of 1,200 oranges. The store sold 263 oranges that day. How many oranges were left to sell?

3. On Saturday, the store received a shipment of 2,000 mangos. The store sold 415 mangos on Saturday and 680 mangos on Sunday.
 - a. How many mangos did the store sell on the weekend (Saturday and Sunday)?

 - b. How many mangos were left to sell?





Practicing Multiplication and Division

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NOTE Students continue to practice solving multiplication and division problems.

SMH 14

Solve the following problems. Make sure that anyone looking at your work can tell how you solved the problem.

1. There are 64 teams at the basketball tournament. Each team has 12 players. How many players are at the basketball tournament?
2. Write a word problem for $35 \overline{)490}$ and solve it.
3. Michael has 275 baseball cards that he wants to store in envelopes. If he puts 25 cards in each envelope, how many envelopes does he need?

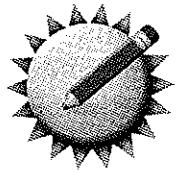


Practicing Multiplication and Division (page 2 of 2)

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4. There are 118 rows in the auditorium. If 29 people sit in each row, how many people are in the auditorium?
5. Mrs. Garcia teaches fifth grade. She has 720 pattern blocks and 24 plastic containers. If she wants to divide the pattern blocks evenly, how many will she put in each container?
6. Write a word problem for 13×42 and show your solution.



Coin Jars

Find two different solutions to each of these problems.

NOTE Students solve problems about combinations of coins.

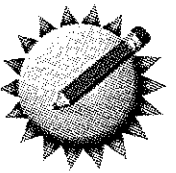
SMH 63

1. Duante has a coin jar full of pennies, dimes, nickels, and quarters. Most of the coins in his jar are pennies. He knows that there is \$7.00 in his coin jar. What combination of coins could be in Duante's coin jar that would equal \$7.00?

First Solution	Second Solution

2. Ursula also has a coin jar. There are only two kinds of coins in her coin jar. She knows that there is \$3.75 in her jar. What combination of coins could be in Ursula's coin jar that would equal \$3.75?

First Solution	Second Solution



Multiple Towers and Filmmaking

Use multiple towers to help you find the answers.

NOTE Students solve real-world problems involving the math content of this unit.

SMH 20.

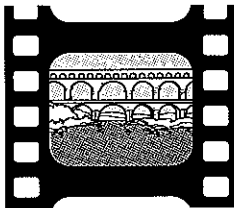
1.



This is a single frame of movie film. In the early years of motion pictures, filmmakers used 16 frames per second to film a silent movie.

How many frames of film are there in 12 seconds of a silent movie? Explain how you found the answer.

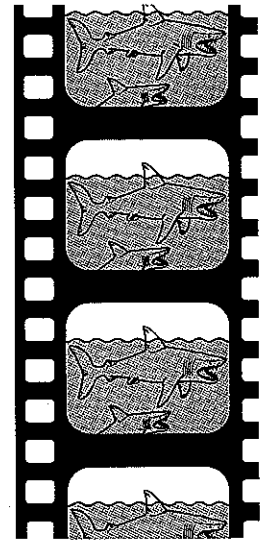
2.



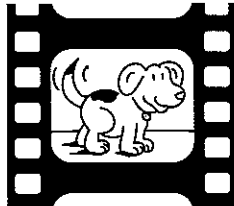
In today's motion pictures, filmmakers use 24 frames per second.

How many frames of film are there in 12 seconds of a modern movie? _____ 25 seconds? _____ 1 minute? _____

At 24 frames per second, how many seconds would it take to show 504 frames? _____



3.



Many cartoons show 24 separate pictures per second.

How many pictures does a cartoonist need to draw for a 30-second cartoon? _____

4.

Suppose that a silent movie is run on modern equipment at 24 frames per second. Would the action in the movie appear to be in slow motion or speeded up? Why do you think so?